

FIG. 1

FIG. 2 is a block diagram of a power system 100. The power system 100 includes an energy source 42, a power controller 40, a DC bus 54, a power converter 44, a power converter 46, a utility load 48, an energy storage (power source) 50, and a power converter 52. The energy source 42 is connected to the power converter 44. The power controller 40 is connected to the power converter 44 and the power converter 46. The DC bus 54 is connected to the power converter 44 and the power converter 46. The power converter 46 is connected to the utility load 48. The energy storage (power source) 50 is connected to the power converter 52. The power converter 52 is connected to the DC bus 54.

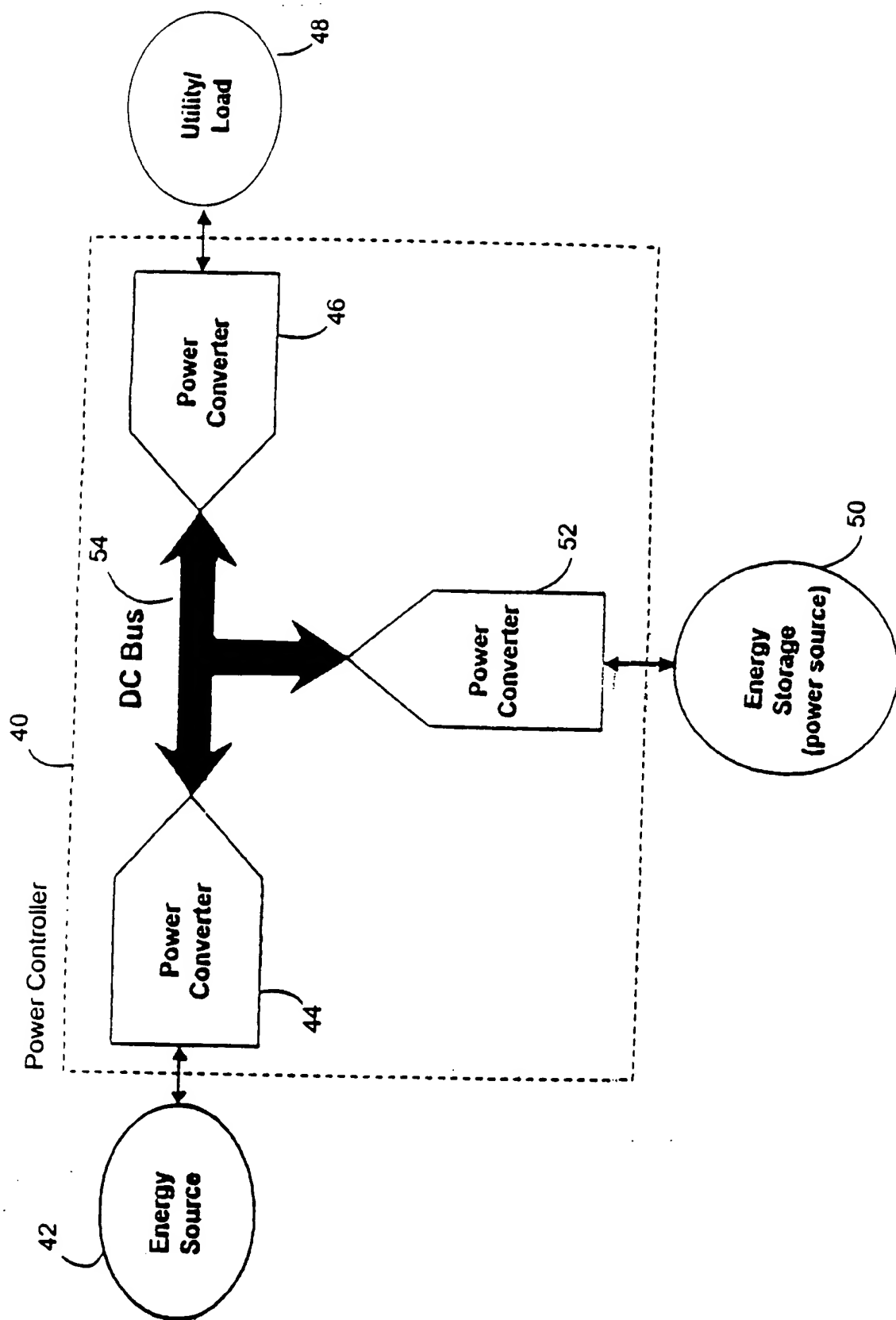


FIG. 2

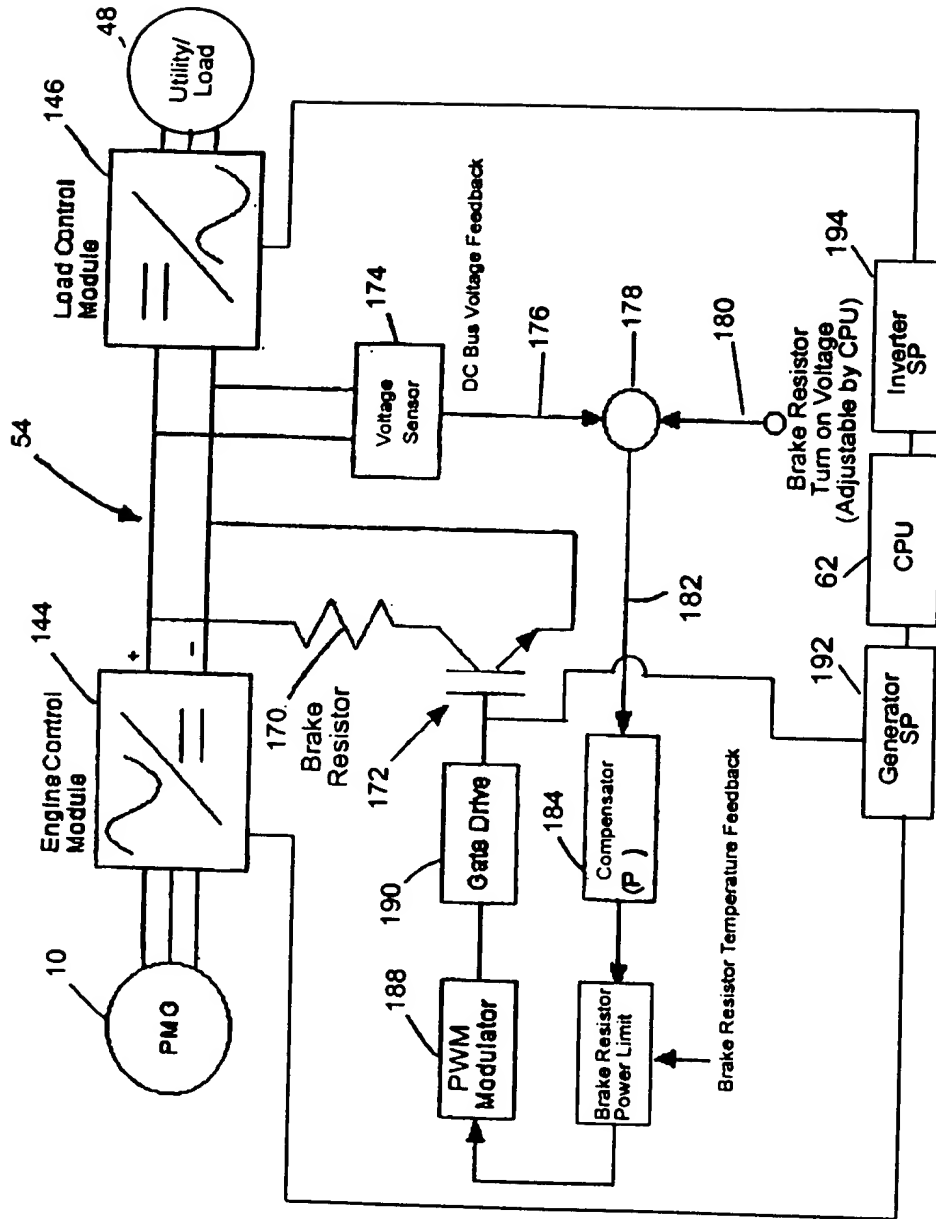


FIG. 3

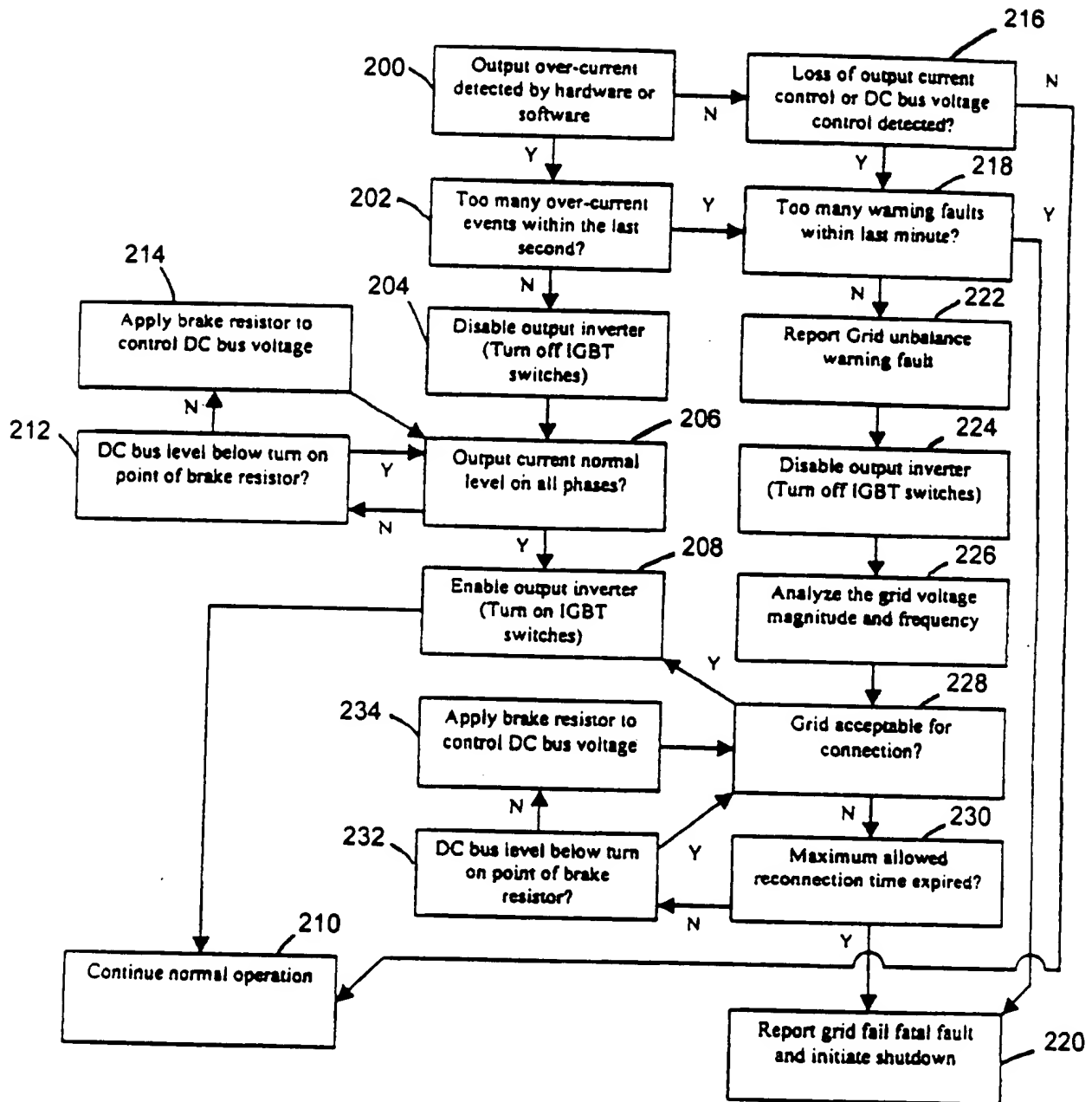


FIG. 4

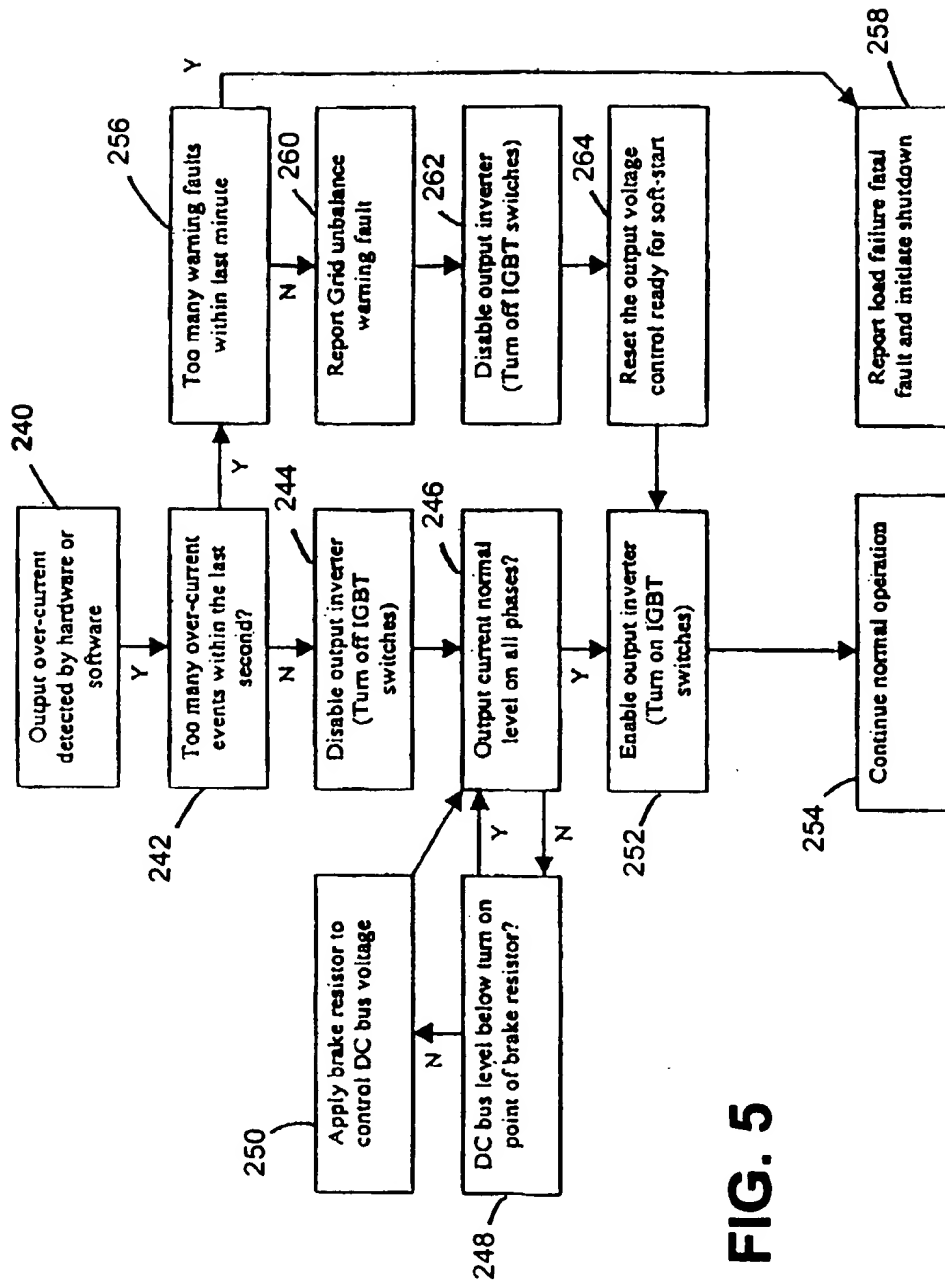
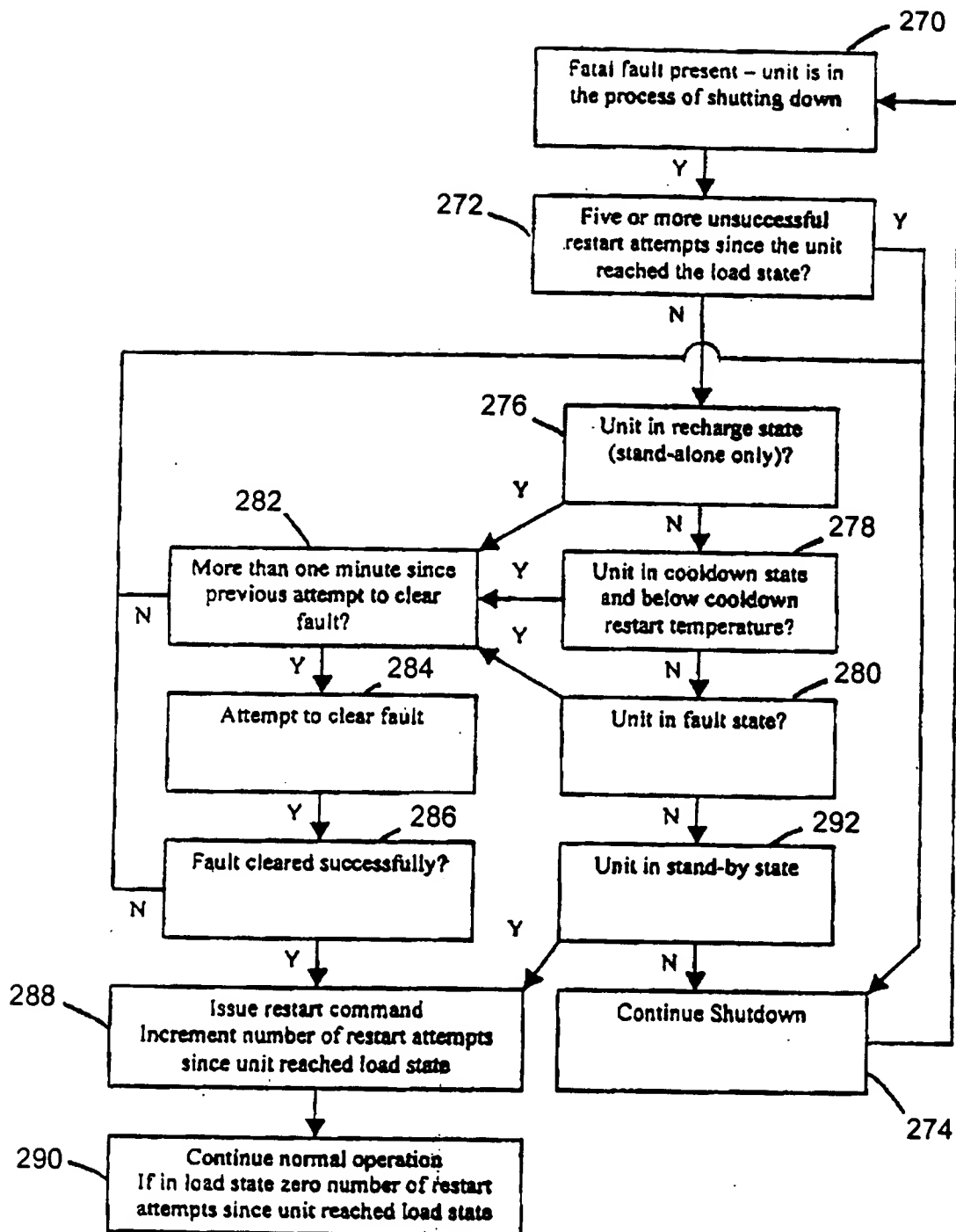


FIG. 5



**FIG. 6**